

Maria can run the 400 meter in 200 seconds.  
If she were able to maintain the same pace,  
how long would it take her to

(a) run 1,200 meters? **SHOW WORK!**

$$\frac{400 \text{ meters}}{200 \text{ seconds}} \rightarrow \frac{1200 \text{ meters}}{600 \text{ seconds}}$$

Diagram showing the calculation for 1,200 meters. The original pace is 400 meters / 200 seconds. To find the time for 1,200 meters, the distance is multiplied by 3 (1200 / 400 = 3). The time is also multiplied by 3 (200 \* 3 = 600). The result, 600 seconds, is circled in pink.

(b) run 5,600 meters? **SHOW WORK!**

$$\frac{400 \text{ meters}}{200 \text{ seconds}} \rightarrow \frac{5600}{2800 \text{ sec.}}$$

Diagram showing the calculation for 5,600 meters. The distance 5,600 is divided by 400 to get 14 (5600 / 400 = 14). This factor is then multiplied by the original time of 200 seconds (200 \* 14 = 2800). The result, 2800 sec., is circled in pink.

(c) run 2,700 meters? **SHOW WORK!**

$$\frac{400 \text{ meters}}{200 \text{ sec.}} \rightarrow \frac{2700 \text{ meters}}{1350 \text{ seconds}}$$

Diagram showing the calculation for 2,700 meters. The distance 2,700 is divided by 400 to get 6.75 (2700 / 400 = 6.75). This factor is then multiplied by the original time of 200 seconds (200 \* 6.75 = 1350). The result, 1350 seconds, is circled in pink.